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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: BROWN ET AL.)
Serial No.: 10/761,537) Attorneys' Ref. P214419
Filing Date: 1/21/2004) Art Unit: 2125
Title: MOTION CONTROL SYSTEMS)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Sir:

In accordance with 37 CFR §1.56, the Applicant respectfully submits this Supplemental Information Disclosure Statement to call to the attention of the Examiner the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B for consideration in the prosecution of the above-referenced application for U.S. patent.

Copies of the non-patent literature documents cited in this Information Disclosure Statement are enclosed. Citation of a reference in this Information Disclosure Statement is not an admission that the reference is prior art to the present invention.

It is believed that no fee is due at this time to maintain the application in full force and effect, however if any such fee is due please charge this to Deposit Account No. 502099.

REMARKS

I. U.S. PATENTS

U.S. Patent No. 5,368,484 to Copperman et al. discloses a system for simulating a vehicle. Based on input devices, a modeling system determines position information within a simulated environment. Feedback is provided to the user through the input device(s) and through a low frequency sound signal.

U.S. Patent No. 5,382,026 to Harvard et al. discloses system for simulating a shooting gallery comprising vehicles that traverse a track through a series of targets.

U.S. Patent No. 5,405,152 to Katanics et al. discloses a system comprising positioning means response to weight shift of a player. A physical response is fed back to the player when a virtual position of one player collides with a virtual position of another player.

U.S. Patent No. 5,413,355 to Gonzalez discloses an educational toy in which a three-dimensional animated character is controlled to provide positive or negative feedback in response to correct or incorrect answers.

U.S. Patent No. 5,704,837 by Iwasaki et al. discloses a steering system for a video game having first and second steering units and a steering information computing unit. The computing unit generates propulsion and rotation information based on first and second propulsion vectors generated by the steering units.

U.S. Patent No. 5,618,179 by Copperman et al. discloses a simulation system comprising vehicle control input devices and modeling software. The modeling software displays a present route of a simulated vehicle.

U.S. Patent No. 4,829,419 to Hyatt discloses a computer architecture that allows a machine to be controlled directly from the computer without intervening special purpose interface circuitry.

U.S. Patent No. 5,005,134 to Nakashima et al. discloses a numerical control apparatus that stores auxiliary function codes. Execution means for simultaneously executing functional instructions identifying auxiliary function numbers identifying the auxiliary function codes. The auxiliary function codes are updated in response to completion of the auxiliary functions.

U.S. Patent No. 5,483,440 to Aono et al. discloses a remote control system in which a guidance control system for applying a predetermined operation to an operation object. The guidance control system comprises image processing means. A work program is input by an input apparatus remote from the location of the operation object. A control command generation apparatus sends a series of operation data to the guidance control system.

U.S. 5,459,382 to Jacobus et al. discloses a system for providing tactile virtual reality to a user. In response to interactions of a user with objects in a virtual reality, the system generates tactile forces on the user representing these interactions.

II. FOREIGN PATENTS

NO NEW FOREIGN PATENT REFERENCES.

III. NON-PATENT LITERATURE REFERENCES

"U.S. Publication No. 2002/0044297 to Tanaka (04-2002) discloses output control apparatus and method for recognizing drawing capabilities of a printer. The figure is output in a form that corresponds to the drawing capabilities of the printer.

"SEMI E4-0699 SEMI Equipment Communications Standard 1 Message Transfer (SECS-I)" by SEMI, discloses the SECS-I standard that defines a communication interface suitable for the exchange of messages between semiconductor processing equipment and a host.

"SEMI E5-1104 SEMI Equipment Communications Standard 2 Message Content (SECS-II)" by SEMI, discloses the SECS-II standard that defines the details of the interpretation of messages exchanged between intelligent equipment and a host.

"SEMI E30-1103 General Model for Communications and Control of Manufacturing Equipment (GEM)" by SEMI, discloses a definition of the behavior of semiconductor equipment as viewed through a communications link. The SEMI E5 (SECS-II) standard provides the definition of the messages and related data items exchanged between host and equipment. The GEM standard defines which SECS-II messages should be used, in what situations, and what the resulting activity should be.

CONCLUSION

Consideration of the foregoing in relation to the pending application is respectfully requested. If there is any matter which could be expedited by consultation with the Applicant's attorney, such would be welcome. The Applicant's attorney can normally be reached at the telephone number below.

Signed at Bellingham, County of Whatcom, State of Washington, this 8th day of November, 2006.

Respectfully submitted,

BROWN ET AL.

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CERTIFICATE OF MAILING 37 C.F.R. §1.8

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

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Complete If Known

Application Number	10/761,537
Filing Date	1/21/2004
First Named Inventor	David W. Brown
Group Art Unit	2125
Examiner Name	Cabrera, Zoila E.
Attorney Docket Number	P214419

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of 1

Attorney Docket Number

P214419

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Examiner
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¹Unique citation designation number²See attached Kinds of U.S. Patent Documents³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3) ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	1	SEMI; "SEMI E4-0699 SEMI Equipment Communications Standard 1 Message Transfer (SECS-I)", 1/2/1980	
	2	SEMI; "SEMI E5-1104 SEMI Equipment Communications Standard 2 Message Content (SECS-II)", 1982, Sections 1-9 (pp 1-9)	
	3	SEMI; "SEMI E30-1103 General Model For Communications and Control of Manufacturing Equipment (GEM)", 1992	
	4	TANAKA, K.; "U.S. Publication No. 2002/0044297", USPTO, 7/7/1993	

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